

AMENDMENTS

Amendments to the Specification:

In the Specification:

Please replace the paragraph at page 30, lines 3-10, with the following amended paragraph:
SEQ ID NO.1.

Protein Sequence Human Kv β 1 subunit core domain (residues 87 – 419):
GTGMKYRNLGKSGLRVSCGLGTWVTFGGQISDEVAERLMTIAYESG
VNLFDTAEVYAAGKAEVLGSIKKKGWRRSSLVITTKLYWGGKAETE
RGLSRKHIEGLKGSRLQLQLEYVDVVFANRPDSNTPMEEIVRAMTHVI
NQGMAMYWGTSRWSAMEIMEAYSVARQFNMIPPVCEQAEYHLFQRE
KVEVQLPELYHKIGVGAMTWSPLACGII SGKYGNVPESSRASLKCQYQ
WLKERIVSEGRKQKNLKDLSPIAERLGCTLPQLAVAWCLRNEGVS
VLLGSSTPEQLIENLGAIQVLPKMTSHVVNEIDNLRNKPYSKKDYRS

Please replace the paragraph at page 30, lines 12-19, with the following amended paragraph:
SEQ ID NO.2.

Protein Sequence Human Kv β 2 subunit core domain (residues 36 – 364):
GLQFYRNLGKSGLRVSCGLGTWVTFGGQITDEMAEQMLTAYDNGI
NLFDTAEVYAAGKAEVLGNIKKKGWRRSSLVITTKIFWGGKAETER
GLSRKHIEGLKASLERLQLEYVDVVFANRPDPNTPMEETVRAMTHVIN
QGMAMYWGTSRWSSMEIMEAYSVARQFNLTTPICEQAEYHMFQREK
VEVQLPELFHKIGVGAMTWSPLACGIVSGKYDSGIPPYSRASLKGQYQW
LKDKILSEEGRRQAKLQELQAI AERLGCTLPQLAIAWCLRNEGVS
LGASNADQLMENIGAIQVLPKLSSSIIEIDSILGNKPYSKKDYRS

Please replace the paragraph at page 30, lines 21-28, with the following amended paragraph:
SEQ ID NO.3.

Protein Sequence Human Kv β 3 subunit core domain (residues 75 – 404):
GTGMKYRNLGKSGLRVSCGLGTWVTFGSQISDETAEDVLTVA YE HG
VNLFDTAEVYAAGKAERTLGNI LKSKGWRRSSYVITTKIFWGGQAETE
RGLSRKHIEGLRGSRLQLGYVDIVFANRSDPNCPMEEIVRAMTYVI
NQGLALYWGTSRWGAABEIMEAYSMARQFNLI PPVCEQAEHHLFQREK
VEMQLPELYHKIGVGSVTWYPLACGLITSKYDGRVPDTCRASIKGYQW
LKDKVQSEDGKKQAKVMDLLPVAHQ LGCTVAQLAIAWCLRSEGVSS
VLLGVSSAEQLIEHLGALQVLSQLTPQTVMEIDGLLGNKPHSKK

Please replace the paragraph at page 30, lines 30-37 , with the following amended paragraph:
SEQ ID 4.NO.4

Protein Sequence Rat Kv β 1 subunit core domain:

GTGMKYRNLGKSGLRVSCGLGTWVTFGGQISDEVAERLMTIAYESG
VNLFDTAEVYAAGKAEVILGSIKKKGWRRSSLVITTKLYWGGKAETE
RGLSRKHIEGLKGSLQRLQLEYVDVVFANRPDSNTPMEEIVRAMTHVI
NQGMAMYWGTSRWSAMEIMEAYSVARQFNMPVCEQAETHLQRE
KVEVQLPELYHKIGVGAMTWSPLACGHSKYGNGVPSSRASLKCQYQ
WLKERIVSEGRKQONKLKDLSPIAERLGCTLPQLAVAWCLRNEGVSS
VLLGSSSTPEQLIENLGAIQVLPKMTSHVVNEIDNLRNKPYSKKDYRS

Please replace the paragraph at page 30, lines 39-43 and page 31, lines 1-3 with the following
amended paragraph:

SEQ ID NO. 5

Protein Sequence Rat Kv β 2 subunit core domain:

GLQFYRNLGKSGLRVSCGLGTWVTFGGQITDEMAEHLMTLAYDNGI
NLFDTAEVYAAGKAEVVLGNIKKKGWRRSSLVITTKIFWGGKAETER
GLSRKHIEGLKASLERLQLEYVDVVFANRPDPNTPMEETVRAMTHVIN
QGMAMYWGTSRWSSMEIMEAYSVARQFNLPICEQAETHMFMQREKV

EVQLPELFHKIGVGAMTWSPLACGIVSGKYDSGIPPYSRASLKGQWL
KDKILSEGRRQAKLKEQAIERLGCTLPQLAIAWCLRNEGVSSVLL
GASNAEQLMENIGAIQVLPKLSSSIVHEIDSILGNKPYSKKDYRS

Please replace the paragraph at page 31, lines 5-12, with the following amended paragraph:
SEQ ID NO 6.

Protein Sequence Rat Kv β 3 subunit core domain (residues 75 – 404):

GTGMKYRNLGKSGLRVSCGLGTWVTFGSQISDETAEDLLTVAYEHG
VNLFDTAEVYAAGKAERTLGNIKSKGWRRSSYVITTKIFWGGQAETE
RGLSRKHIEGLQGSLDRLQLEYVDIVFANRSDPSSPMEEIVRAMTYVIN
QGLALYWGTSRWSAAMEIMEYSMARQFNLPVCEQAENHFFQREKV
EMQLPELYHKIGVGSVTWSPLACSLITSKYDGQVPDACKATVKGYQW
LKEKVQSEDGKKQARVTDLLPIAHQLGCTVAQLAIAWCLRSEGVSSV
LLGVSSAEQLMEHLGSLQVLGQLTPQTVMEIDALLGNKSHSKK

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Please amend the title of the invention as follows:

“Arrays of cytosolic accessory proteins and ~~Methods~~.”